Dental Laboratory Management

Professional Development Branch
Mr. Avalos, CDT

MAY 03

Terminal Learning Objec

Discuss the organization and management of the Dental Laboratory to include policy and procedures, laboratory personnel duties and responsibilities, and quality control IAW TB MED 148 and TC 8-226.

Enabling Learning Objec

A. Describe the two types and functions of dental laboratory support in the Army Dental Care System.

B. Describe the education and training process in the Area Dental Laboratory (ADL)

Enabling Learning Objec

C. Describe the duties and responsibilities of the dental laboratory personnel.

D. Briefly describe the use and required information of DD Form 2322, Dental Lab Work Authorization

Enabling Learning Objec

E. Discuss “Quality Control” as it relates to the submission of cases to the ADL.

Types and Functions of Dental Lab Support

a. Local dental lab support - lab support found at most of the dental clinics within a DENTAC.

Types and Functions of Dental Lab Support

(1) The main purpose is to enhance the DENTAC's laboratory system.

(2) Equipment and personnel limitations determine the amount and type of work.

Types and Functions of Dental Lab Support

(3) Work beyond the capability of the local lab is sent to the Area Dental Laboratory (ADL).

Types and Functions of Dental Lab Support

(4) The following procedures at a minimum should be accomplished in local dental labs if possible:

Types and Functions of Dental Lab Support

(a) Custom trays

(b) Occlusion rims

(c) Transitional partial dentures

(d) Single all metal cast restorations

(e) Acrylic resin processing

Types and Functions of Dental Lab Support

b. Area Dental Laboratory (ADL) -

Performs prosthodontic and dental lab support for oral health activities of the uniformed services as directed by the Dental Command

Types and Functions of Dental Lab Support

(1) Located at Fort Gordon, GA

(2) There are approximately 40 to 100 dental lab technicians assigned.

(3) Procedures that are beyond the capability of the

Types and Functions of Dental Lab Support

(3 cont.)

Direct communication between the DENTAC Commander or his lab officer is encouraged for coordination of any lab work being sent to the ADL.

Types and Functions of Dental Lab Support

(4) ADL services provide construction and repair of dental restorations and prostheses of all types.

(a) Fixed and removable partial

Types and Functions of Dental Lab Support

(c) Orthodontic and Pedodontic appliances.

(d) Surgical and Radiological Splints and Prostheses.

(e) Mouth Protectors

Types and Functions of Dental Lab Support

(5) Consultation Services

(a) A prescription must be submitted

in duplicate.

(b) Include diagnostic cast

Types and Functions of Dental Lab Support

(c) Interocclusal Records

(d) X-rays

(e) Clinical information

Types and Functions of Dental Lab Support

(6) Dental Laboratory Consultant & Coordinator - The Assistant Surgeon General for Dental Services has appointed a consultant for ADL Services who also serves as a Dental Laboratory

Types and Functions of Dental Lab Support

(a) This officer maintains active liaison with

(1) ADL Commanders

(2) DENTAC Commanders

(3) Designated Air Force and Navy

Types and Functions of Dental Lab Support

(b) The consultant will monitor the Army workload and adjust the workload by shipping between dental labs._

Education and Training

a. ADL conducts formal courses as designed to acquaint dental officers with the role of the ADL in the clinical practice of prosthodontics.

(1) Case selection

Education and Training

b. Established techniques are presented to enable the clinician to fully utilize the dental laboratory.

Education and Training

c. Specific Subjects and Training for Technicians.

(1) Prescription writing

(2) Centric Jaw Relation Record

(3) Master Cast and Dies

Education and Training

(5) Repairs

(6) Packaging and Mailing

(7) Students view incoming and outgoing work, construction techniques, and participates in practical

Dental Lab Personnel Duties & Responsibilities

a. Duties and responsibilities of personnel assigned to the dental lab increase as these personnel grow in knowledge, skills, and grade.

Dental Lab Personnel Duties & Responsibilities

b. Dental Laboratory Specialist

(1) Makes and repairs dental prostheses and appliances under supervision.

(2) Performs general

Dental Lab Personnel Duties & Responsibilities

(3) Supervise, direct, and instruct dental personnel and evaluate their work for compliance with established standards and directives.

Dental Lab Personnel Duties & Responsibilities

c. Senior Dental Laboratory Sergeant

(1) Makes and repairs complex dental and maxillo facial prostheses.

(2) Inspects dental laboratory equipment and reports

Dental Lab Personnel Duties & Responsibilities

d. ADL, Chief Dental NCO

(1) Plans and organizes ADL activities.

(2) Directs ADL activities.

(3) Inspects and evaluates ADL activities

DD Form 2322 - Dental Lab Work Authorization

a. The dental officer is legally responsible for providing the dental lab personnel with detailed and specific directions for

DD Form 2322 - Dental Lab Work Authorization

b. This form will be completed in duplicate and the file copy retained as an audit trail for precious metals and composite lab values (CLV).

DD Form 2322 - Dental Lab Work Authorization

d. The laboratory data part of the form is for laboratory use only.

e. When time is critical the station may request a priority or a

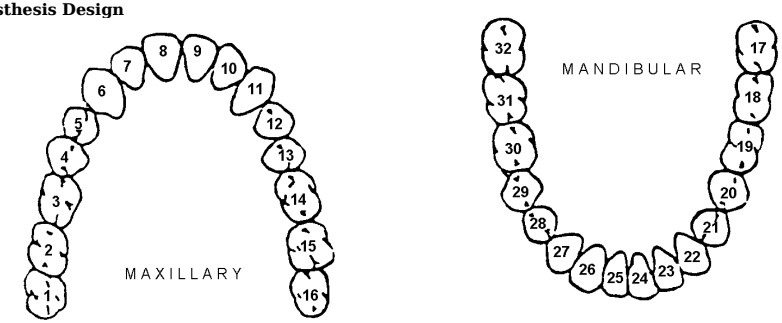
1. Local Case No	2. Name of Treatement Facility, Mailing Address & Autovon No.	3. ADL Case No
2000-05-125	Rhoades Dental Clinic, FHS, TX 78234, DSN 471-1234	

4. Patient's Name (Last, First, Middle Initial)	5. SSN	6. Grade	7. Age	8. Date Initiated
Smith, John, T.	123-45-6789	E-6	27	5 May 01

9. Benificiary Type	10. Organization, Duty and Home Telephone Nos.	11. Date Forwarded
1-1	Co. C 187th Med Bn, FSH, TX 78234 Duty Ph 221-2345	

12. Type of Prosthesis or Restoration	13. Shade and Mold by Guide	14. Date Delivered
Preliminary Casts		

15. Prosthesis Design



Request(s) (Check appropriate box (es)) 16. ☐ Framework Only 17. ☐ Set-up

18. ☐ Process 19. ☐ Fully Fabricate 20. ☐ Bisque Bake 21. ☐ Consultaion

Inclosed Items (Fold Here)

22. ☐ Diagnostic Casts 23. ☐ Jaw Relation Record 24. ☐ Radiographs 25. ☐ Other (See Remarks)

26. Clinician's Remarks/Instructions

Please fabricate preliminary casts,
Need by 14 May 2001.

RUSH

27. Typed Name and Grade Of Dental Officer	28. Signature
Gary Johnson, Col., DC Col.,	Gary Johnson,

DD Form 2322, 83 Oct Replaces AF Form 994, May 80, which will be used. Dental Laboratory Work Authorization

(PRESS HARD IF HANDFILLED)

Quality Control

a. All dental officers will comply with the provisions of TB Med 148 when submitting cases to the ADL.

Quality Control

b. Every effort should be made by the ADL to follow the recommend-ations of dental officers concerning design, method of fabrication and materials.

Quality Control

c. The final decision rest with the ADL Commander who is authorized to return cases with appropriate remarks for correction or consultation.

ANY QUESTIONS

Review of Main Poi

(1) Two Types of Dental Lab

(2) ADL Education and Trai

(3) Dental Lab Personnel Duties & Responsibilities.

(4) DD Form 2322 - Dental
Authorization .

(5) Quality Control.

DENTA EXCELLANCE